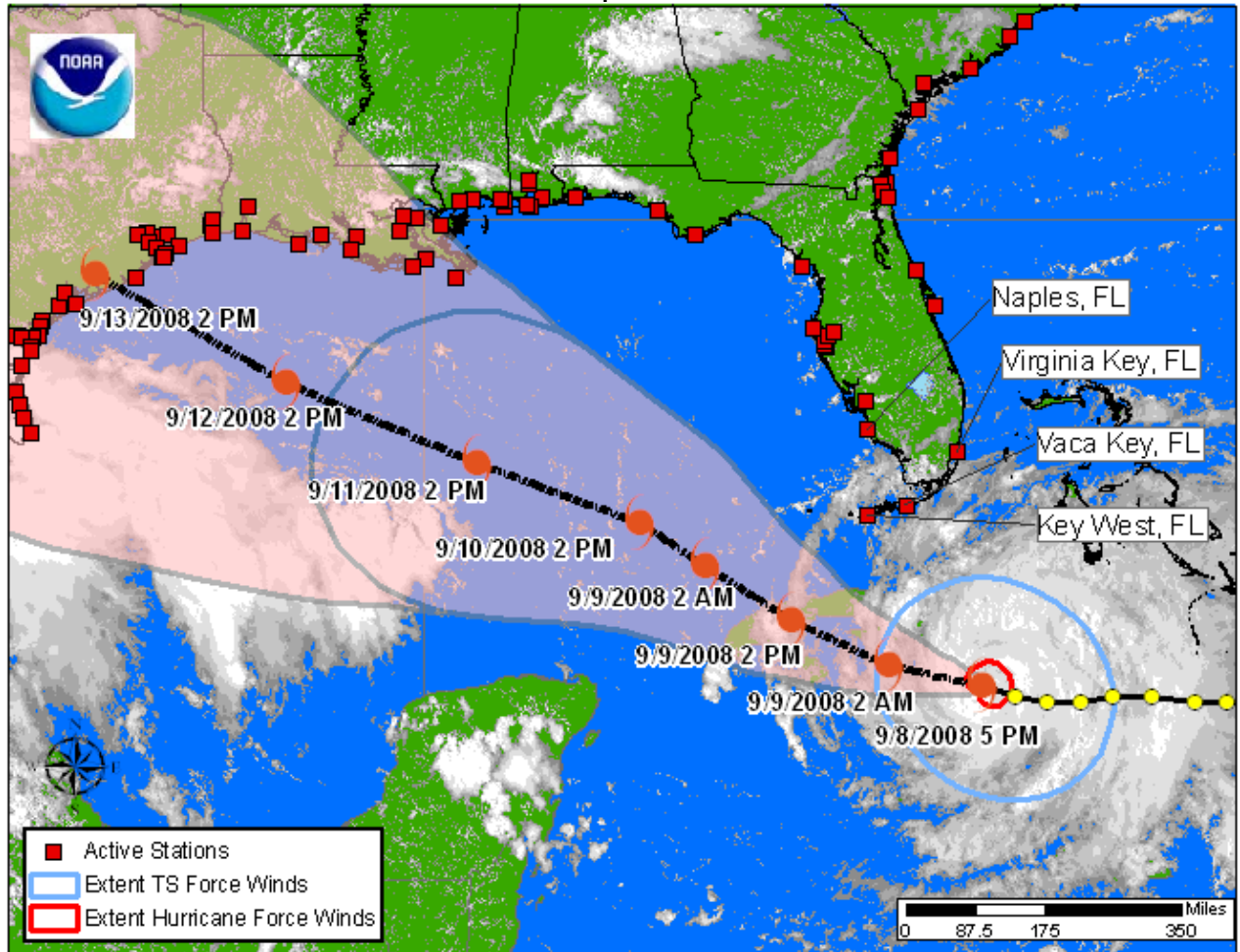




Hurricane IKE QuickLook  
Posted: 18:00 EDT 09/08/2008

NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 09/08/2008 18:00 EDT, water levels are slightly elevated, ranging from 0.4 to 0.8 feet above predicted values across southern Florida and the Florida Keys. Water levels are currently 0.8 feet above predicted at Key West, FL. Winds are increasing with gusts up to 27 mph reported at Vaca Key, FL. Barometric pressure is falling everywhere in Southern Florida and Florida Keys.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Virginia Key, FL: Next predicted high tide is 2.03 ft (0.62 m) at 09/09/2008 04:36 EDT.

Vaca Key, FL: Next predicted high tide is 1.02 ft (0.31 m) at 09/09/2008 08:21 EDT.

**Key West, FL: Next predicted high tide is 1.08 ft (0.33 m) at 09/08/2008 19:00 EDT.**

**Naples, FL: Next predicted high tide is 2.24 ft (0.68 m) at 09/09/2008 00:06 EDT.**

**For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.**

**Analyst: KG**

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**SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:**

**HURRICANE IKE ADVISORY NUMBER 31 CORRECTED  
500 PM EDT MON SEP 08 2008**

**CORRECTION TO REMOVE HURRICANE WATCH FOR THE FLORIDA KEYS**

**IKE HUGGING THE SOUTHERN COAST OF CENTRAL CUBA**

**AT 500 PM EDT 2100 UTC THE HURRICANE WATCH FOR THE FLORIDA KEYS  
FROM OCEAN REEF SOUTHWARD TO THE DRY TORTUGAS HAS BEEN DISCONTINUED.**

**AT 500 PM EDT 2100 UTC THE GOVERNMENT OF THE BAHAMAS HAS DISCONTINUED THE  
TROPICAL STORM WARNING FOR ANDROS AND RAGGED ISLANDS.**

**A HURRICANE WARNING REMAINS IN EFFECT FOR THE CUBAN PROVINCES OF  
GUANTANAMO SANTIAGO DE CUBA HOLGUIN LAS TUNAS AND  
GRANMA CAMAGUEY CIEGO DE AVILA .VILLA CLARA SANCTI SPIRITUS CIENFUEGOS  
MATANZAS LA HABANA CIUDAD DE HABANA PINAR DEL RIO AND THE ISLE OF YOUTH.**

**A TROPICAL STORM WARNING IS IN EFFECT FOR LITTLE CAYMAN AND CAYMAN BRAC.**

**A TROPICAL STORM WARNING IS IN EFFECT FOR THE FLORIDA KEYS FROM OCEAN  
REEF SOUTHWARD TO THE DRY TORTUGAS INCLUDING FLORIDA BAY. A TROPICAL  
STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE  
EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.**

**A TROPICAL STORM WATCH REMAINS IN EFFECT FOR GRAND CAYMAN.**

**INTERESTS IN SOUTH FLORIDA SHOULD CONTINUE TO MONITOR THE PROGRESS OF  
IKE.**

**AT 500 PM EDT THE CENTER OF HURRICANE IKE WAS LOCATED ABOUT 45 MILES  
SOUTHEAST OF CIENFUEGOS CUBA AND ABOUT 215 MILES  
SOUTHEAST OF HAVANA CUBA.**

**IKE IS MOVING TOWARD THE WEST NEAR 14 MPH BUT A TURN TOWARD THE  
WEST-NORTHWEST SHOULD BEGIN TONIGHT. ON THIS TRACK THE CENTER OF  
HURRICANE IKE IS EXPECTED TO MOVE ALONG OR JUST SOUTH OF THE SOUTHERN**

**COAST OF CENTRAL CUBA TONIGHT MOVE OVER WESTERN CUBA TUESDAY AND EMERGE INTO THE SOUTHEASTERN GULF OF MEXICO BY TUESDAY NIGHT.**

**DATA FROM A RECONNAISSANCE AIRCRAFT INDICATE THAT MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 80 MPH 130 KM/HR WITH HIGHER GUSTS. IKE IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON SCALE. A SLIGHT INCREASE IN INTENSITY IS POSSIBLE IF THE CENTER REMAINS OVER WATER. STRENGTHENING IS FORECAST ONCE IKE MOVES INTO THE GULF OF MEXICO.**

**HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 35 MILES FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 175 MILES.**

**THE MINIMUM CENTRAL PRESSURE REPORTED BY THE RECONNAISSANCE AIRCRAFT WAS 965 MB 28.50 INCHES.**

**COASTAL STORM SURGE FLOODING OF 4 TO 7 FEET ABOVE NORMAL TIDE LEVELS ALONG WITH LARGE AND DANGEROUS BATTERING WAVES CAN BE EXPECTED IN AREAS OF ONSHORE WINDS EAST OF IKE ALONG THE SOUTHERN COAST OF CUBA. STORM SURGE FLOODING OF 1 TO 3 FEET ALONG WITH LARGE AND DANGEROUS WAVES ARE POSSIBLE IN THE FLORIDA KEYS.**

**LARGE SWELLS GENERATED BY IKE WILL CONTINUE TO AFFECT PORTIONS OF THE SOUTHEAST UNITED STATES COAST DURING THE NEXT COUPLE OF DAYS. THESE WAVES COULD GENERATE DANGEROUS AND LIFE-THREATENING RIP CURRENTS.**

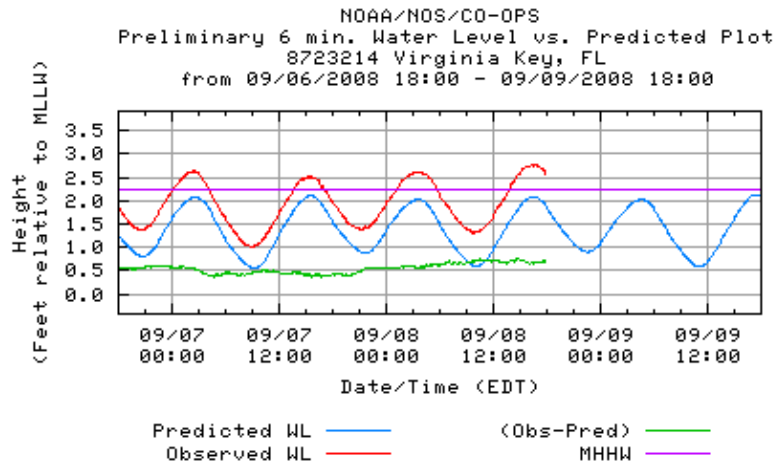
**IKE IS EXPECTED TO PRODUCE RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES OVER CUBA WITH ISOLATED MAXIMUM AMOUNTS OF UP TO 20 INCHES POSSIBLE. THESE RAINS ARE LIKELY TO CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES OVER MOUNTAINOUS TERRAIN. RAINFALL ACCUMULATIONS OF 3 TO 6 INCHES ARE POSSIBLE OVER JAMAICA WITH 2 TO 4 INCHES POSSIBLE OVER THE CAYMAN ISLANDS. RAINFALL ACCUMULATIONS OF 1 TO 3 INCHES ARE POSSIBLE OVER THE FLORIDA KEYS.**

#### **FORECASTER RHOME/AVILA**

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Virginia Key - Water Level](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Key West - Water Level](#), [Key West - Winds](#), [Key West - Barometric](#), [Key West - Air/Water Temp](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Naples - Air/Water Temp](#),

**Virginia Key, FL - Station Map** [Return to List](#)

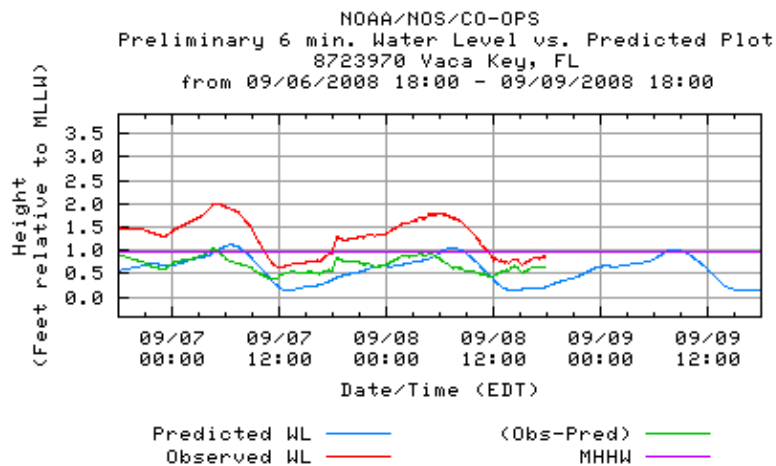


Last Observed Sample: 09/08/2008 17:48 (EDT)

Relative to **MLLW**: **Observed: 2.58 ft. Predicted: 1.90 ft. Residual: 0.68 ft.**

Historical Maximum Water Level: 11/15/1994, 1.9 ft. above **MHHW**

**Vaca Key, FL - Station Map** [Return to List](#)

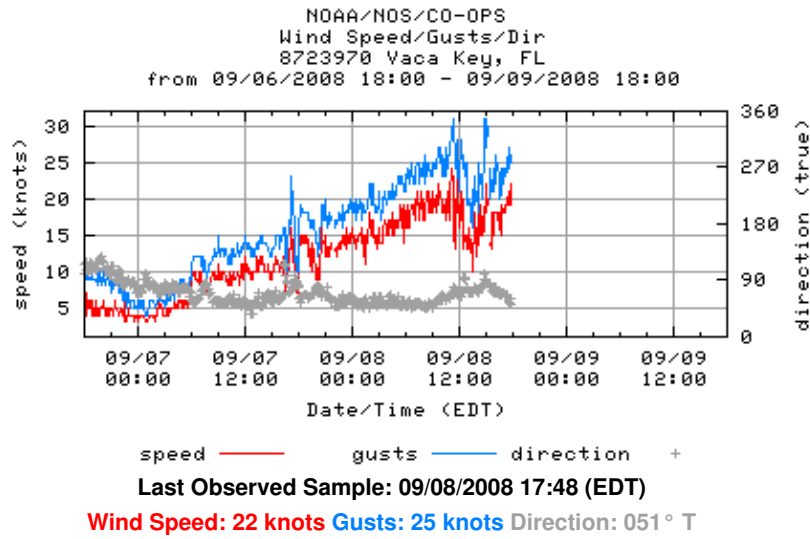


Last Observed Sample: 09/08/2008 17:48 (EDT)

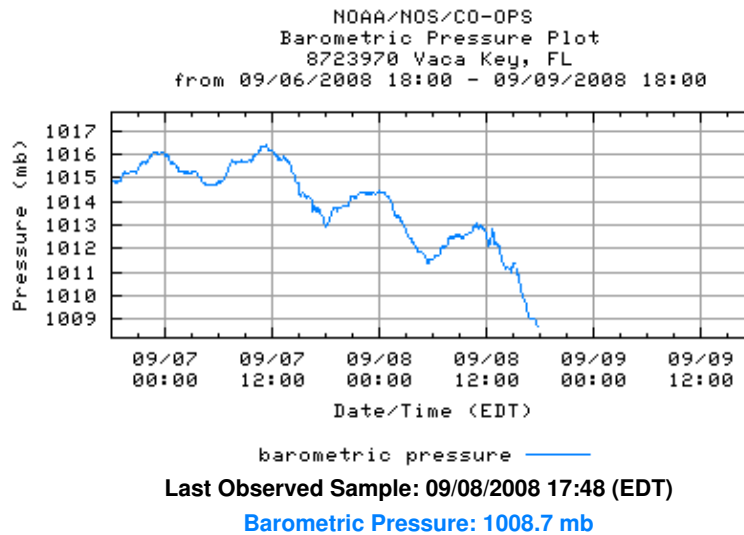
Relative to **MLLW**: **Observed: 0.88 ft. Predicted: 0.22 ft. Residual: 0.66 ft.**

Historical Maximum Water Level: 10/07/1974, 1.42 ft. above **MHHW**

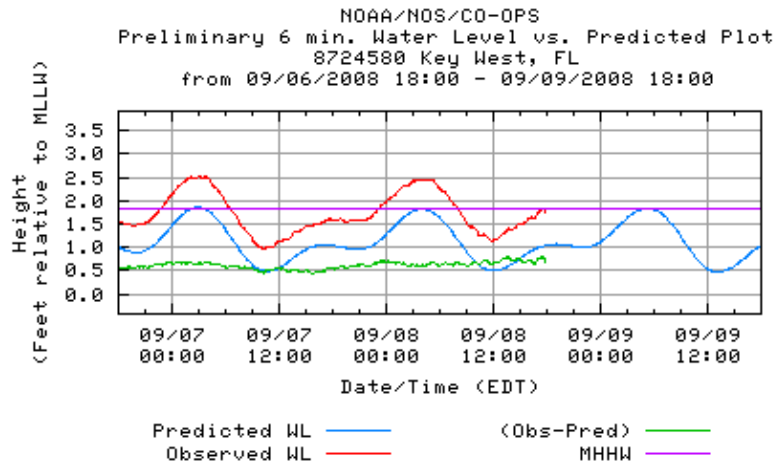
**Vaca Key, FL - Station Map** [Return to List](#)



**Vaca Key, FL - Station Map** [Return to List](#)



**Key West, FL - Station Map** [Return to List](#)

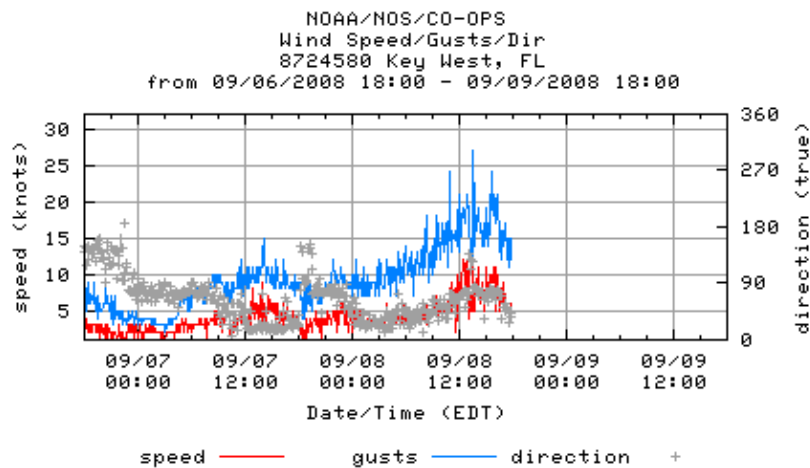


Last Observed Sample: 09/08/2008 17:48 (EDT)

Relative to **MLLW**: **Observed: 1.75 ft. Predicted: 1.05 ft. Residual: 0.70 ft.**

Historical Maximum Water Level: 09/08/1965, 1.93 ft. above **MHHW**

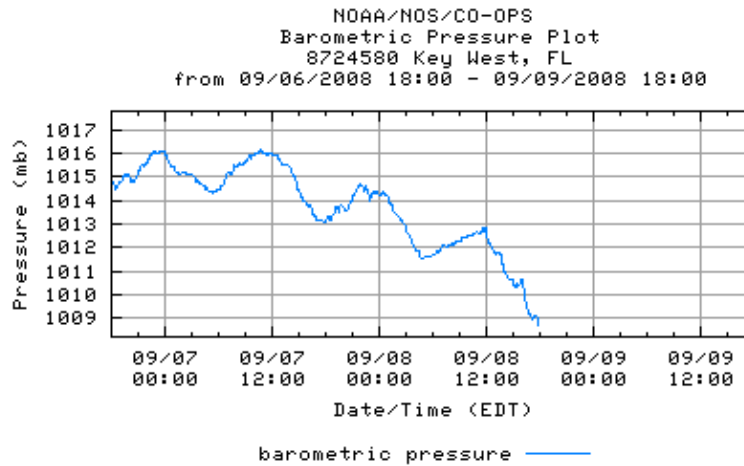
**Key West, FL - Station Map** [Return to List](#)



Last Observed Sample: 09/08/2008 17:48 (EDT)

**Wind Speed: 4 knots Gusts: 12 knots Direction: 036° T**

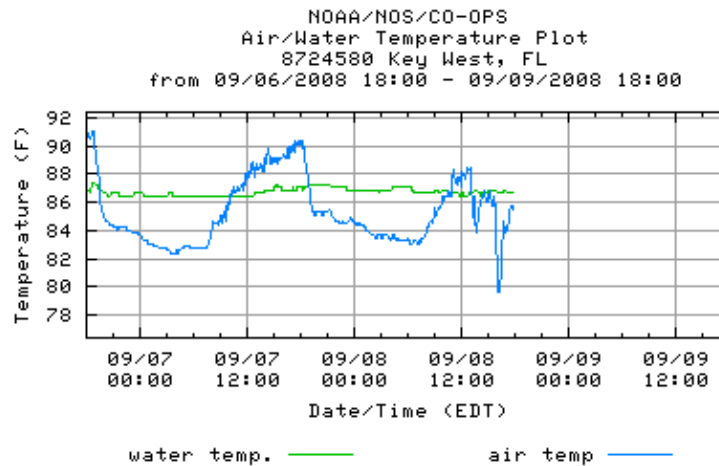
**Key West, FL - Station Map** [Return to List](#)



Last Observed Sample: 09/08/2008 17:48 (EDT)

Barometric Pressure: 1008.7 mb

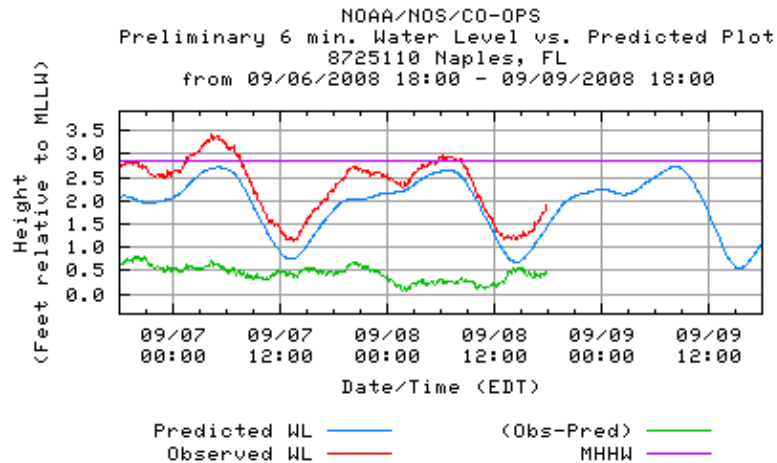
**Key West, FL - Station Map** [Return to List](#)



Last Observed Sample: 09/08/2008 17:48 (EDT)

Water Temperature: 86.7° F Air Temperature: 85.8° F

**Naples, FL - Station Map** [Return to List](#)

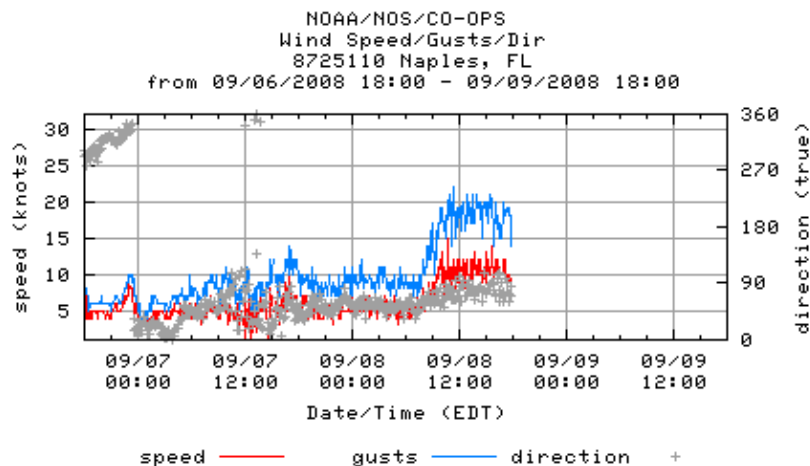


Last Observed Sample: 09/08/2008 17:48 (EDT)

Relative to **MLLW**: **Observed: 1.89 ft. Predicted: 1.41 ft. Residual: 0.48 ft.**

Historical Maximum Water Level: 12/21/1972, 3.11 ft. above **MHHW**

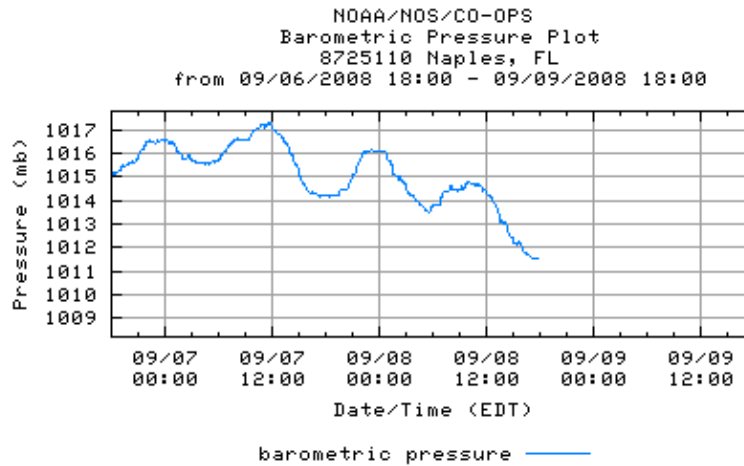
**Naples, FL - Station Map** [Return to List](#)



Last Observed Sample: 09/08/2008 17:48 (EDT)

**Wind Speed: 9 knots Gusts: 14 knots Direction: 071° T**

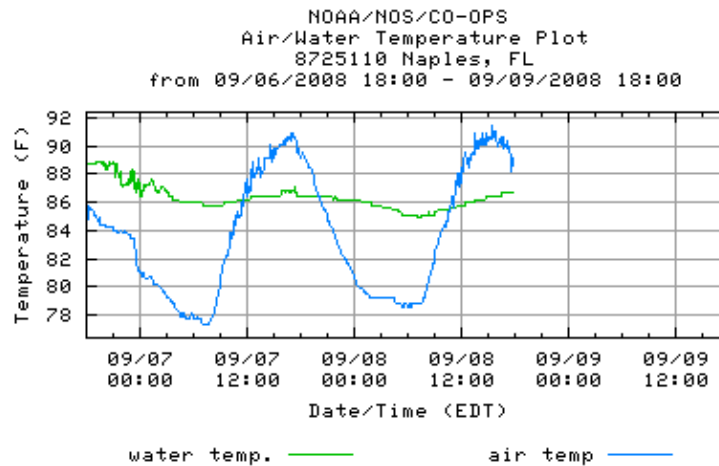
**Naples, FL - Station Map** [Return to List](#)



Last Observed Sample: 09/08/2008 17:48 (EDT)

Barometric Pressure: 1011.5 mb

**Naples, FL - Station Map** [Return to List](#)



Last Observed Sample: 09/08/2008 17:48 (EDT)

Water Temperature: 86.7° F Air Temperature: 89.1° F

## Hurricane IKE QuickLook, POSTED 18:00 EDT 09/08/2008

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce